(51) International Patent Classification [7] : A61K 39/00, 39/02, 39/04, 38/00, C07H 21/02, 21/04, C07K 1/00, C12P 21/06, C12N 1/00, 1/12	**A1**	(11) International Publication Number: **WO 00/66157** (43) International Publication Date: 9 November 2000 (09.11.00)

(21) International Application Number: PCT/US00/12257

(22) International Filing Date: 4 May 2000 (04.05.00)

(30) Priority Data:
60/132,505   4 May 1999 (04.05.99)   US

(63) Related by Continuation (CON) or Continuation-in-Part
(CIP) to Earlier Application
US   60/132,505 (CON)
Filed on   4 May 1999 (04.05.99)

(71) Applicant (*for all designated States except US*): THE PUBLIC HEALTH RESEARCH INSTITUTE OF THE CITY OF NEW York, INC. [US/US]; 455 First Avenue, New York, NY 10016 (US).

(72) Inventor; and
(75) Inventor/Applicant (*for US only*): GENNARO, Maria, L. [–/–]; —

(74) Agent: HONE, William, J.; Fish & Richardson P.C., 45 Rockefeller Plaza, Suite 2800, New York, NY 10111 (US).

(81) Designated States: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published
With international search report.
Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

(54) Title: PROTEINS EXPRESSED BY *MYCOBACTERIUM TUBERCULOSIS* AND NOT BY BCG AND THEIR USE AS DIAGNOSTIC REAGENTS AND VACCINES

(57) Abstract

    The invention provides polypeptides encoded by open reading frames present in the genome of *Mycobacterium tuberculosis* but absent from the genome of BCG and diagnostic and prophylactic methodologies using these polypeptides.